

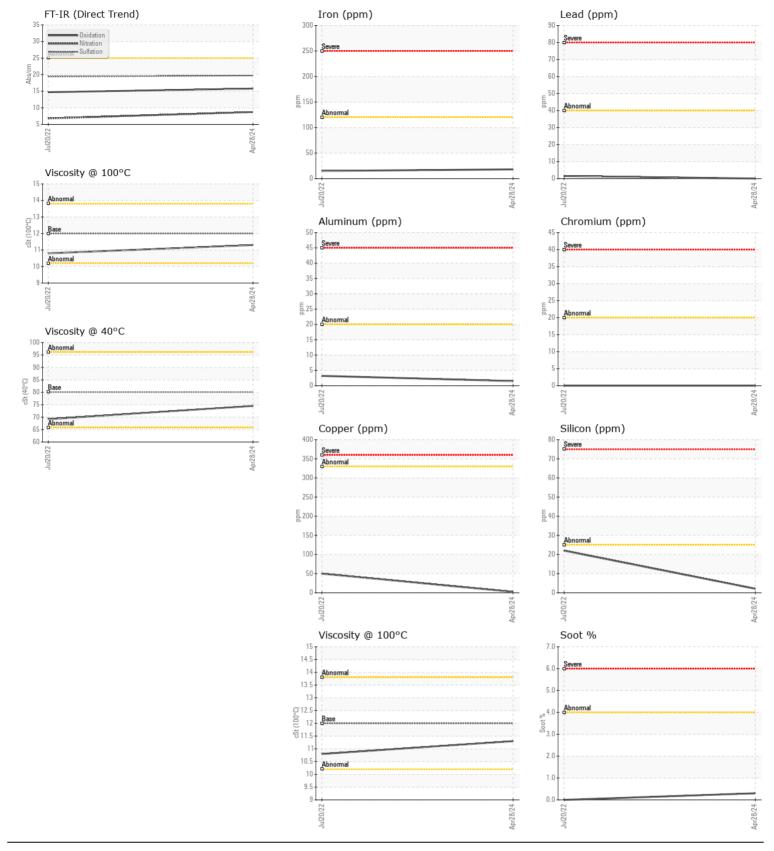
RO Machine Id

NORMAL WEAR NORMAL CONTAMINATION FLUID CONDITION NORMAL

13189 Component Diesel Engine

PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		PC0083069	PC0061131	
	Sample Date		Client Info		28 Apr 2024	20 Jul 2022	
	Machine Age	hrs	Client Info		0	0	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	N/A	
	Filter Changed Sample Status		Client Info		N/A NORMAL	N/A ABNORMAL	
	Sample Status					ADIVORIVIAL	
VEAR	Iron	ppm	ASTM D5185(m)	>120	18	15	
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)	>20	0	0	
	Nickel	ppm	ASTM D5185(m)	>5	<1	<1	
	Titanium	ppm	ASTM D5185(m)	>2	0	<1	
	Silver	ppm	ASTM D5185(m)	>2	0	<u> </u>	
	Aluminum	ppm	ASTM D5185(m)	>20	2	3	
	Lead	ppm	ASTM D5185(m)	>40	0	2	
	Copper	ppm	ASTM D5185(m)	>330	2	50	
	Tin	ppm	ASTM D5185(m)	>15	<1	1	
	Vanadium	ppm	ASTM D5185(m)		0	0	
	White Metal	scalar	Visual*	NONE	NONE	NONE	
	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
ONTAMINATION	Silicon	ppm	ASTM D5185(m)	>25	2	22	
ONTAMINATION	Potassium	ppm	ASTM D5185(m)		2	2	
There is no indication of any contamination in the oil.	Fuel	pp	WC Method		- <1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	ASTM D7844*	>4	0.3	0	
	Nitration	Abs/cm	ASTM D7624*	>20	8.7	6.8	
	Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	19.4	
	Silt	scalar	Visual*	NONE	NONE	NONE	
	Debris	scalar	Visual*	NONE	NONE	VLITE	
	Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	
	Appearance	scalar	Visual*	NORML	NORML	NORML	
	Odor	scalar	Visual*	NORML	NORML	NORML	
	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	
LUID CONDITION	Codium				.1	0	
	Sodium Boron	ppm	ASTM D5185(m) ASTM D5185(m)	2	<1 7	2 49	
The condition of the oil is acceptable for the time in service.		ppm			-		
	Barium Molybdenum	ppm ppm	ASTM D5185(m) ASTM D5185(m)		0 61	0 63	
	Manganese	ppm	ASTM D5185(m) ASTM D5185(m)		<1	<1	
	Magnesium	ppm	ASTM D5185(m)		953	923	
	Calcium	ppm	ASTM D5185(m) ASTM D5185(m)		1060	1094	
	Phosphorus	ppm	ASTM D5185(m)		988	948	
	Zinc	ppm	ASTM D5185(m)		1166	1142	
	Sulfur	ppm	ASTM D5185(m)		2482	2643	
	Oxidation	Abs/.1mm	ASTM D3103(III) ASTM D7414*	>25	15.8	14.7	
	Visc @ 40°C	cSt	ASTM D7279(m)		74.5	69.2	
	Visc @ 40 0 Visc @ 100°C	cSt	ASTM D7279(m)		11.3	10.8	
				12.00		10.0	



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Wasteco CALA Sample No. : PC0083069 Received 161 Bridgeland Ave. : 29 Apr 2024 Lab Number Tested : 02631878 : 29 Apr 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5773031 Diagnosed : 29 Apr 2024 - Wes Davis Test Package : MOB 1 (Additional Tests: KV40, VI, Visual) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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